REMARKS

Allowable Claim

Applicants gratefully acknowledge that claim 23 was merely objected to as depending from a rejected base claim, but are otherwise allowable.

Rejections under 35 USC §102(b)

Claims 5, 9, 12-19, 24 and 25 were rejected under 35 USC §102(b) as being anticipated by Japanese Publication No. 2001-015237 (JP 2001-015237).

The Examiner alleged as follows:

Regarding Claim 5, JP 2001-015237 discloses in Figs. 2 and 8 a semiconductor device protection cover attached to a semiconductor device, comprising:

- a base portion;
- a first surface, said first surface being flat (Fig. 8);
- a second surface having a projecting portion to be brought into contact with a substrate 2A of the semiconductor device and a depressed portion not to be brought into contact with parts mounted in the semiconductor device; and
- an engaging portion to engage the semiconductor device protection cover with the semiconductor device, so as to detachably attach the semiconductor device protection cover to the semiconductor device (see Fig. 2, English Abstract).

JP 2001-015237 discloses a common semiconductor socket which has a housing 2A for housing an integrated circuit 1 and a cover 2B for fixing the integrated circuit 1. The cover 2B is fixed onto the housing 2A.

Assuming that upper surface of the cover 2B in JP 2001-015237 corresponds to the "first

surface" of claim 5, the Examiner alleges that the "second surface" has a projecting portion to be

brought into contact with a substrate 2A of the semiconductor device. However, reference

numeral 2A is a housing of the socket but not the substrate of the semiconductor device.

In claim 5, the term substrate of the semiconductor device is used to indicate the body of

the semiconductor device 11 or interposer 13 in the specification and drawings, but the term is

never used meaning a portion of a socket or anything else outside of the semiconductor device.

Therefore, assuming that the cover 2B corresponds to the semiconductor device

protection cover of the present invention, the projecting portion of the second surface is brought

into contact with the housing 2A of the socket but NOT with a substrate of the semiconductor

device.

Moreover, the engaging portion of the cover 2B engages the cover with the housing 2A of

the socket but NOT with the semiconductor device.

Thus, JP 2001-015237 does not teach or suggest "a second surface having a projecting

portion to be brought into contact with a substrate of the semiconductor device and a depressed

portion not to be brought into contact with parts mounted in the semiconductor device" and "an

engaging portion to engage the semiconductor device protection cover with the semiconductor

device, so as to detachably attach the semiconductor device protection cover to the

semiconductor device."

Claim 13 similarly recites "a second surface to be brought into contact with a

substrate of and parts mounted in the semiconductor device, said second surface being formed

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from an elastic material, wherein the semiconductor device protection cover has a structure to

engage with the semiconductor device so as to be detachably attached to the semiconductor

device."

Claim 14 similarly recites "a second surface having a projecting portion to be brought

into contact with a substrate of the semiconductor device and a depressed portion not to be

brought into contact with parts mounted in the semiconductor device, wherein the semiconductor

device protection cover has a structure to engage with the semiconductor device so as to be

detachably attached to the semiconductor device."

According to the present invention, the protection member can be temporarily attached during an

electric performance test, and can be removed after the test without using adhesive or other additional

materials. Moreover, the upper surface of the protection member is a uniformly flat surface having a

specified height, and this facilitates application of a desired load. Furthermore, with the height being

set to be the same with packages of other products, it is possible to make different devices have

compatible size. By providing an engagement member, attachment and detachment can be done

easily with precise positioning.

Due to the above features, the present invention has the following additional advantages: (1) the

height of the cover can be adjusted, and stable electrical connection can be realized; (2) a die

mounted on the semiconductor package can be protected while being exposed.

For at least these reasons, claims 5, 13 and 14 patentably distinguish over JP 2001-

015237. Claims 9 and 12 depending from claim 5, and claims 15-19, 24 and 25 depending from

claim 14 also patentably distinguish over JP 2001-015237 for at least the same reasons.

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Rejections under 35 USC §103(a)

Claims 7, 8 10 and 20 were rejected under 35 USC §103(a) as being obvious over JP

2001-015237.

As discussed above, claims 5 and claim 14 patentably distinguish over JP 2001-015237.

The disclosures of JP 2001-015237 further referred to in this rejection do not remedy the

deficiencies of the disclosure of JP 2001-015237 discussed above.

For at least these reasons, claims 7, 8 and 10 depending from claim 5 and claim 20

indirectly depending from 14, also patentably distinguish over JP 2001-015237.

In view of the aforementioned amendments and accompanying remarks, Applicants

submit that the claims, as herein amended, are in condition for allowance. Applicants request

such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the

Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to

expedite the disposition of this case.

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If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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